## **Patient Safety Indicators**

Patient Safety Indicators reflect the quality of care inside hospitals focusing on surgical complications and other adverse events.

Note: If the pairwise comparison of the two values shows the first is significantly better (p < 0.05), then the symbol  $\odot$  is shown. If the first is significantly worse, then the symbol  $\odot$  is shown. If there is no significant difference between the values, then the symbol  $\odot$  is shown.

\* Data do not meet the criteria for statistical reliability or confidentiality.

"Northeast" includes Maine, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the State Inpatient Databases (SID), and not all states participate in HCUP. Estimates for the U.S. and regions are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates. Rates are adjusted by age and gender using the U.S. population for 2000 as the standard population.

PSI 1 - Complications of anesthesia per 1000 surgical discharges

| PSI 1 | Maine | U.S. | Maine vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|-------|-------|------|----------------|------------------------|------------------------|
| 2003  | 1.5   | 0.8  | ©              | 0.8                    |                        |
| 2002  | 1.1   | 0.9  | <u> </u>       | 0.8                    | 8                      |
| 2001  | 0.7   | 0.9  | <u> </u>       | 0.8                    | <u> </u>               |

PSI 2 - Deaths per 1000 admissions in low mortality DRGs

| PSI 2 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|-------|-------|------|-------------------|------------------------|------------------------|
| 2003  | 1.3   | 1.2  | <u>:</u>          | 0.9                    | <b>⊗</b>               |
| 2002  | 0.9   | 0.9  | <u>:</u>          | 0.8                    | <u>:</u>               |

| 2001 1.0 | 0.7 | 0.8 | <u></u> |
|----------|-----|-----|---------|
|----------|-----|-----|---------|

| PSI 3 - Decubitus ulcers per 1000 discharges of length 5 or more days |       |      |                   |                        |                        |  |  |  |
|---|-------|------|-------------------|------------------------|------------------------|--|--|--|
| PSI - 3   | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |  |  |  |
| 2003  | 19.5  | 24.4 | $\odot$           | 28.3                   | (i)                    |  |  |  |
| 2002  | 17.5  | 23.3 | <b>©</b>          | 24.2                   | $\odot$                |  |  |  |
| 2001  | 15.8  | 22.8 | $\odot$           | 25.2                   | (1)                    |  |  |  |

PSI 4 - Failure to rescue or deaths per 1000 discharges having developed specified complications of care during hospitalization

| PSI 4 | Maine | U.S.  | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|-------|-------|-------|-------------------|------------------------|------------------------|
| 2003  | 127.8 | 129.7 | •                 | 141.5                  | $\odot$                |
| 2002  | 133.1 | 135.9 | <u>:</u>          | 143.0                  | <u>:</u>               |
| 2001  | 138.8 | 145.3 | <u>:</u>          | 158.0                  | ©                      |

PSI 5 - Foreign body accidentally left in during procedure per 1000 medical and surgical discharges

| PSI 5 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|-------|-------|------|-------------------|------------------------|------------------------|
|       |       |      |                   |                        |                        |
| 2003  | *     | 0.1  |                   | 0.1                    |                        |
| 2002  | *     | 0.1  |                   | 0.1                    |                        |
| 2002  |       | 0.1  |                   | U. I                   |                        |
|       |       |      | <u></u>           |                        |                        |
| 2001  | 0.1   | 0.1  |                   | 0.1                    |                        |

| PSI 6 - latrogenic pneumothorax per 1000 discharges |                             |             |                   |                                |                        |  |  |  |
|---|-----------------------------|-------------|-------------------|--------------------------------|------------------------|--|--|--|
| PSI 6   | Maine                       | U.S.        | Maine<br>vs. U.S. | Northeastern<br>States         | Maine vs.<br>Northeast |  |  |  |
| 2003  | 1.0                         | 0.8         | <u>:</u>          | 0.8                            | <u>:</u>               |  |  |  |
| 2002  | 1.0                         | 0.9         |                   | 0.9                            | <u></u>                |  |  |  |
| 2001  | 0.9                         | 0.8         | (i)               | 0.9                            | <u>:</u>               |  |  |  |
| PSI 7 - Selected                                    | infections du               | e to medi   | cal care pe       | er 1000 discharge              | es                     |  |  |  |
|   |                             |             |                   |                                | ı                      |  |  |  |
| PSI 7   | Maine                       | U.S.        | Maine vs. U.S.    | Northeastern<br>States         | Maine vs.<br>Northeast |  |  |  |
| PSI 7   | Maine<br>1.9                | U.S.<br>2.3 |                   |                                |                        |  |  |  |
| 2003  | 1.9                         |             | vs. U.S.          | States 2.4                     |                        |  |  |  |
| 2003  | 1.9<br>2.1                  | 2.3         | vs. U.S.          | 2.4<br>2.3                     |                        |  |  |  |
| 2003<br>2002<br>2001                                | 1.9 2.1 2.2 ative hip fract | 2.3 2.3 2.1 | vs. U.S.          | 2.4 2.3 2.3 000 surgical patie | Northeast              |  |  |  |

| PSI 8 | Maine | U.S. | Maine vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|-------|-------|------|----------------|------------------------|------------------------|
|       |       |      | 33             |                        | <u>:</u>               |
| 2003  | 0.5   | 0.3  | )              | 0.3                    | )                      |
|       |       |      |                |                        |                        |
| 2002  | *     | 0.3  |                | 0.3                    |                        |
|       |       |      |                |                        |                        |
| 2001  | *     | 0.3  |                | 0.4                    |                        |

PSI 9 - Postoperative hemorrhage or hematoma with surgical drainage or evacuation, not verifiable as following surgery, per 1000 surgical discharges

| PSI 9 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|-------|-------|------|-------------------|------------------------|------------------------|
| 2003  | 1.9   | 2.0  | <b>(1)</b>        | 1.7                    |                        |
| 2002  | 1.9   | 1.9  | <u>:</u>          | 1.8                    |                        |
| 2001  | 1.7   | 2.1  | <u></u>           | 2.0                    | <u>:</u>               |

PSI 10 - Postoperative physiologic and metabolic derangements per 1000 elective surgical discharges

| PSI 10 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | *     | 1.4  |                   | 1.2                    |                        |
| 2002   |       | 1.2  |                   | 1.0                    |                        |
| 2001   | *     | 1.1  |                   | 1.0                    |                        |

PSI 11 - Postoperative respiratory failure per 1000 elective surgical discharges

| PSI 11 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 2.5   | 4.6  | $\odot$           | 3.7                    | $\odot$                |
| 2002   | 2.2   | 4.0  | $\odot$           | 3.6                    | $\odot$                |
| 2001   | 2.6   | 3.5  | $\odot$           | 2.8                    | <u>:</u>               |

PSI 12 - Postoperative pulmonary embolus (PE) or deep vein thrombosis (DVT) per 1000 surgical discharges

| PSI 12 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 7.7   | 9.1  | $\odot$           | 11.8                   | $\odot$                |
| 2002   | 6.6   | 8.4  | $\odot$           | 9.2                    | $\odot$                |
| 2001   | 5.5   | 7.8  | $\odot$           | 9.1                    | ©                      |

PSI 13 - Postoperative sepsis per 1000 elective-surgery discharges of longer than 3 days

| PSI 13 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 5.6   | 12.5 | $\odot$           | 10.4                   | $\odot$                |
| 2002   | 5.5   | 11.6 | $\odot$           | 10.3                   | ©                      |
| 2001   | 5.8   | 10.1 | ©                 | 9.0                    | <b>©</b>               |

PSI 14 - Reclosure of postoperative disruption of abdominal wall per 1000 abdominopelvic-surgery discharges

| PSI 14 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 2.5   | 2.0  | <u>:</u>          | 2.2                    |                        |
| 2002   | 3.1   | 2.2  | (3)               | 2.4                    | (1)                    |
| 2001   | 2.4   | 2.3  | <u>:</u>          | 2.3                    | <u>:</u>               |

| DSI 45 Appidental numeture or legeration during proceedings and 4000             |                |            |                   |                        |                        |  |  |  |
|--|----------------|------------|-------------------|------------------------|------------------------|--|--|--|
| PSI 15 - Accidental puncture or laceration during procedures per 1000 discharges |                |            |                   |                        |                        |  |  |  |
| PSI 15   | Maine          | U.S.       | Maine vs. U.S.    | Northeastern<br>States | Maine vs.<br>Northeast |  |  |  |
| 2003   | 3.9            | 3.8        | <u>:</u>          | 3.6                    | <u>:</u>               |  |  |  |
| 2002   | 4.4            | 3.8        | ©                 | 3.4                    | (3)                    |  |  |  |
| 2001   | 4.5            | 3.5        | <b>⊗</b>          | 3.4                    | ©                      |  |  |  |
| PSI 16 - Transfus  | sion reactions | s per 1000 | ) discharg        | es                     |                        |  |  |  |
| PSI 16   | Maine          | U.S.       | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |  |  |  |
| 2003   | *              | *          |                   | *                      |                        |  |  |  |
| 2002   | *              | *          |                   | *                      |                        |  |  |  |
| 2001   | *              | *          |                   | *                      |                        |  |  |  |
| PSI 17 - Birth tra   | uma - injury t | o neonate  | e per 1000        | live births            |                        |  |  |  |
| PSI 17   | Maine          | U.S.       | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |  |  |  |
| 2003   | 10.2           | 6.5        | (3)               | 6.5                    | (3)                    |  |  |  |
| 2002   | 10.0           | 7.9        | ©                 | 10.1                   | <u>(i)</u>             |  |  |  |
| 2001   | 22.1           | 8.3        | 3                 | 10.9                   | ©                      |  |  |  |

PSI 18 - Obstetric trauma with 4th degree lacerations or other obstetric lacerations per 1000 instrument-assisted vaginal deliveries

| PSI 18 | Maine | U.S.  | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|-------|-------------------|------------------------|------------------------|
| 2003   | 249.6 | 214.4 | ©                 | 196.7                  | ©                      |
| 2002   | 281.4 | 212.7 | 8                 | 240.6                  | 8                      |
| 2001   | 248.1 | 216.2 | 8                 | 213.4                  | 8                      |

PSI 19 - Obstetric trauma with 4th degree lacerations or other obstetric lacerations per 1000 vaginal deliveries without instrument assistance

| PSI 19 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 99.2  | 82.6 | ©                 | 74.1                   |                        |
| 2002   | 102.5 | 80.9 | 8                 | 83.8                   | 8                      |
| 2001   | 108.1 | 79.0 | ©                 | 74.8                   | <b>⊗</b>               |

PSI 20 - Obstetric trauma with 4th degree lacerations or other obstetric lacerations per 1000 Cesarean deliveries

| PSI 20 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 5.4   | 5.6  | <b>:</b>          | 6.7                    |                        |
| 2002   | *     | 5.6  |                   | 7.7                    |                        |
| 2001   | 4.8   | 5.7  | <u>:</u>          | 7.5                    | <u>(1)</u>             |

| PSI 21 - Foreign body accidentally left in during procedure per 100,000 |                |           |                   |                        |                        |  |  |  |
|---|----------------|-----------|-------------------|------------------------|------------------------|--|--|--|
| population  |                |           |                   |                        |                        |  |  |  |
| PSI 21  | Maine          | U.S.      | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |  |  |  |
| 2003  | 0.9            | 1.2       | <u> </u>          | 1.2                    | <u>:</u>               |  |  |  |
| 2002  | 1.1            | 1.2       | <u> </u>          | 1.2                    |                        |  |  |  |
| 2001  | 1.4            | 1.1       | <u></u>           | 1.0                    | <u>:</u>               |  |  |  |
| PSI 22 - latrogen   | ic pneumothe   | orax case | s per 100,        | 000 population         |                        |  |  |  |
| PSI 22  | Maine          | U.S.      | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |  |  |  |
| 2003  | 8.7            | 8.1       | <u></u>           | 8.2                    |                        |  |  |  |
| 2002  | 9.1            | 8.9       | <u>:</u>          | 8.9                    | <u>:</u>               |  |  |  |
| 2001  | 8.2            | 8.5       | <u> </u>          | 9.2                    |                        |  |  |  |
| PSI 23 - Selected   | l infections d | ue to med | lical care p      | per 100,000 popu       | lation                 |  |  |  |
| PSI 23  | Maine          | U.S.      | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |  |  |  |
| 2003  | 30.3           | 44.7      | <b>©</b>          | 48.0                   | <b>③</b>               |  |  |  |
| 2002  | 28.0           | 44.2      | <b>:</b>          | 42.6                   | (3)                    |  |  |  |
| 2001  | 20.6           | 20.9      | $\odot$           | 42.1                   | <b>©</b>               |  |  |  |

39.8

43.1

2001

29.6

PSI 24 - Reclosure of postoperative disruption of abdominal wall per 100,000 population

| PSI 24 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 2.4   | 2.2  |                   | 2.2                    |                        |
| 2002   | 3.4   | 2.4  | ©                 | 2.5                    | (1)                    |
| 2001   | 2.7   | 2.5  | <u>:</u>          | 2.4                    | <u>:</u>               |

PSI 25 - Accidental puncture or laceration during procedures per 100,000 population

| PSI 25 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 36.4  | 36.0 | <u>:</u>          | 34.4                   | <u>:</u>               |
| 2002   | 42.1  | 38.4 | <u>:</u>          | 34.9                   | <u>:</u>               |
| 2001   | 47.2  | 36.8 | 8                 | 37.0                   | <b>⊗</b>               |

PSI 26 - Transfusion reactions per 100,000 population

| PSI 26 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
|        |       |      |                   |                        |                        |
| 2003   | *     | 0.1  |                   | *                      |                        |
|        |       |      |                   |                        |                        |
| 2002   | *     | 0.1  |                   | *                      |                        |
|        |       |      |                   |                        |                        |
| 2001   | *     | 0.1  |                   | *                      |                        |

PSI 27 - Obstetric trauma with 3rd degree, 4th degree, or other obstetric lacerations per 1,000 instrument-assisted vaginal deliveries

| PSI 27 | Maine | U.S.  | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|-------|-------------------|------------------------|------------------------|
| 2003   | 269.9 | 235.1 | ©                 | 217.3                  | ©                      |
| 2002   | 293.1 | 236.2 | 8                 | 274.8                  | <u>:</u>               |
| 2001   | 263.9 | 241.4 | <u>:</u>          | 242.1                  | <u>:</u>               |

PSI 28 - Obstetric trauma with 3rd degree, 4th degree, or other obstetric lacerations per 1,000 vaginal deliveries without instrument assistance

| PSI 28 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 103.0 | 87.5 | <b>⊗</b>          | 79.3                   | <b>⊗</b>               |
| 2002   | 107.7 | 86.3 | 8                 | 90.2                   | <b>③</b>               |
| 2001   | 110.6 | 84.6 | 8                 | 81.1                   | ☺                      |

PSI 29 - Obstetric trauma with 3rd degree, 4th degree, or other obstetric lacerations per 1,000 Cesarean deliveries

| PSI 29 | Maine | U.S. | Maine<br>vs. U.S. | Northeastern<br>States | Maine vs.<br>Northeast |
|--------|-------|------|-------------------|------------------------|------------------------|
| 2003   | 5.6   | 5.8  | <b>:</b>          | 6.9                    |                        |
| 2002   | *     | 5.8  |                   | 7.9                    |                        |
| 2001   | 4.8   | 5.9  | <u>:</u>          | 8.0                    | <b>③</b>               |

Note: If the pairwise comparison of the two values shows the first is significantly better (p < 0.05), then the symbol  $\odot$  is shown. If the first is significantly worse, then the symbol  $\odot$  is shown. If there is no significant difference between the values, then the symbol  $\odot$  is shown.

\* Data do not meet the criteria for statistical reliability or confidentiality.

"Northeast" includes Maine, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania.

Source: Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP). State estimates are from the State Inpatient Databases (SID), and not all states participate in HCUP. Estimates for the U.S. and regions are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates. Rates are adjusted by age and gender using the U.S. population for 2000 as the standard population.